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PATENT
P-4698-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): BEN-CHORIN, Moshe et al.

SERIAL NO.: 10/017,546 EXAMINER: Unknown

FILED: December 18, 2001 GROUP ART UNIT: 2633

FOR.: SPECTRALLY MATCHED PRINT PROOFER

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes:

1. ☒ Documents including patents, publications, and other information listed on the attached Form PTO-1449 for consideration by the Examiner;
2. ☐ Form PTO-1449 which lists documents including patents, publications and other information for consideration by the Examiner but in accordance with 37 C.F.R. 1.98(d) does not include those documents which have been previously cited or submitted to the Patent Office in the following prior application U.S. Serial No. _____, filed _____ which is properly identified and relied on.
3. ☐ Other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the

listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

I) ☒ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits whichever event occurs last pursuant to of 37 C.F.R §1.97 (b); or

II) ☐ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R §1.113 or a notice of allowance under 37 C.F.R §1.311 whichever occurs first;

1. ☐ The undersigned hereby states that each item of information listed on the Form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

2. ☐ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

III) ☐ After the period in (I) and (II) but before the payment of the issue fee,

1. The Undersigned hereby states:

a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart

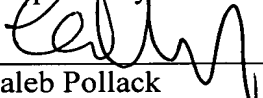
foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

2. ☐ The Undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 05-0649.

Respectfully submitted,

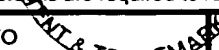

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Dated: June 23, 2002

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/017,546
				Filing Date	December 18, 2001
				First Named Inventor	BEN-CHORIN, Moshe
				Group Art Unit	2633
				Examiner Name	Unknown
				Attorney Docket Number	P-4698-US
				Sheet	1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	5,999,153		Lind et al	December 7, 1999	
	AB	4,390,893		Russell et al	June 28, 1983	
	AC	4,843,381		Baron	June 27 1989	
	AD	4,843,573		Taylor et al	June 27, 1989	
	AE	4,892,391		Stewart et al	January 9, 1990	
	AF	4,985,853		Taylor et al	January 15, 1991	
	AG	5,455,600		Friedman et al	October 3, 1995	
—	AH	5,751,385		Heinze	May 12, 1998	
	AI	5,870,530		Balasubramanian	February 9, 1999	
	AJ	5,892,891		Dalal et al	April 6, 1999	
	AK	6,018,237		Havel	January 25, 2000	
	AL	6,198,512		Harris	March 6, 2001	
	AM	6,220,710		Raj et al	April 24, 2001	
	AN	6,246,396		Gibson et al	January 12, 2001	
	AO	6,259,430		Riddle et al	July 10, 2001	
	AP	6,262,710		Smith	July 17, 2001	
	AQ	6,147,720		Guerinot et al	November 14, 2000	
	AR	6,280,034		Brennesholtz	August 28, 2001	
	AS	6,231,190		Dewald	May 15, 2001	
	AT	5,233,385		Sampsell	August 3, 1993	

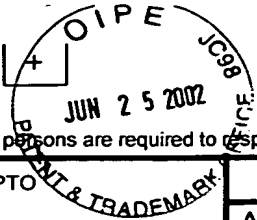
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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			Application Number	10/017,546	
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Sheet	2	of	3		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	AU	6,256,073		Pettitt	July 3, 2001	
	AV	6,324,006		Morgan	November 27, 2001	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
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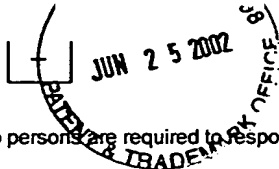
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Application Number	10/017,546
		Filing Date	December 18, 2001
		First Named Inventor	BEN-CHORIN, Moshe
		Group Art Unit	2633
		Examiner Name	Unknown
Sheet 3 of 3	Attorney Docket Number	P-4698-US	

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	AX	K. TAKATORI et al, "Field-Sequential Smectic LCD with TFT Pixel Amplifier", SID 01 Digest, PP. 48-51.	<input type="checkbox"/>
	AY	JEFFREY A. SHIMIZU, "Scrolling Color LCOS for HDTV Rear Projection," SID 01 Digest, PP. 1072-1075.	<input type="checkbox"/>
	AZ	FRANCISCO H. IMAI, Color Science; "Spectral reproduction from scene to hardcopy", Part 1-Multi-spectral acquisition and spectral estimation using a Trichromatic Digital Camera System associated with absorption filters.	<input type="checkbox"/>
	BA	WYBLE & BERNS, "A Critical Review of Spectral Models Applied to Binary Color Printing", Volume 25 number 1.	<input type="checkbox"/>
	BB	ROSEN et al, "Spectral Reproduction from Scene to Hardcopy II: Image Processing. Munsell Color Science Laboratory, RIT- Proceedings of SPIE Vol.4300(2001).	<input type="checkbox"/>
	BC	GUNTER WYSZECKI & W.S. STILES, Color Science; Concepts and Methods, Quantitative Data and Formulae, 2d. Ed., 1982, PP.179-183.	<input type="checkbox"/>
	BD	POINTER, M.R., "The Gamut of Real Surface Colours", Color Research & Appl. 5(3):145-155, 1980.	<input type="checkbox"/>
	BE	AJITO et al, "Expanded Color Gamut Reproduced by Six-Primary Projection Display", Proc. SPIE, Vol, 2954 (2000) PP. 130-37.	<input type="checkbox"/>
	BF	AJITO et al, "Multiprimary Color Display for Liquid Crystal Display Projectors Using Diffraction Grating", Optical Eng.38(11) 1883-1888 (November 1999).	<input type="checkbox"/>
	BG	AJITO et al, "Color Conversion Method for Multiprimary Display Using Matrix Switching", Optical Review, Vol. 9, No. 3 (2001), 191-197.	<input type="checkbox"/>

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